

LEVASHKIN, G., MIROSHIN, N., STELMASHENKO, V., AND STELMASHENKO, M.

Detectability of Cavities in Iron Pipes

Experimental data concerning the detection of deep artificial defects of cylindrical shape in thick-walled pipes of magnetized steel and iron are given. The detectability of defects appeared to be three to four times worse in iron pipes than in those of soft steel. (RZhFiz, No. 8, 1955) Tr. Sibirsk. Fiz.-Tekhn. in-ta Pri Tomskom un-ta, No. 2, 1953, 241-247.

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (17)

LEVASHKIN, G.I.

Output voltage of an annular frequency converter for the case  
of minor input voltages. Izv. TPI 105:177-181 '60.

(MIRA 16:8)

1. Predstavleno nauchnym seminarom radiotekhnicheskogo fakul'teta  
Tomskogo ordena Trudovogo Krasnogo Znameni politekhnicheskogo  
instituta imeni Kirova.

(Frequency converters)

L 9744-65

END(gol/RAEM(t) -

ACCESSION NR: AP4045503

S/0109/64/009/009/1721/1722

AUTHOR: Petrov, A. S.; Levashkin, V. I.

TITLE: Parametric resonance in systems with nonlinear elastic force

B

SOURCE: Radiotekhnika i elektronika, v. 9, no. 9, 1964, 1721-1722

TOPIC TAGS: parametric resonance, self excited oscillation, oscillatory system, parametric oscillatory system

ABSTRACT: The peculiarities of parametric self-excitation in a system (a circuit containing a semiconductor diode) with a soft elastic force are briefly considered. Estimated and experimental curves of the parametric self-excitation of a p-n-diode-containing circuit show that (a) the width of the frequency-pulling zone and the maximum amplitude of oscillations are determined by the nonlinearity of attenuation; (b) stable resonance branches exist, for which the conditions of self-excitation are not satisfied. Orig. art. has: 3 figures

Card 1/2

L 9944-65

ACCESSION NR: AP4045503

and 7 formulas.

ASSOCIATION: none

SUBMITTED: 21Oct63

ENGL: 00

SUB CODE: EC, ME

NO REF SOV: 003

OTHER: 000

Card 2/2



LIVACHOV, A. A.; AMERNOV, N. V.; DEYAGIN, L. V.; NIKOLSKO, B. V.

Horses - Diseases

Experience with the use of VIEV (All-Union Institute of Experimental Veterinary Science) vaccine (G. M. Bosh'ian vaccine) against infectious anemia in horses. Veterinariia 30, No. 3, 1953.

Detailed account of the exptl use of the VIEV (All-Union Institute of Experimental Veterinary Medicine) vaccine of G. M. Boshyan under lab and field conditions. The expts conducted demonstrated that a repeated prophylactic vaccination did not protect the horses from an experimentally produced infection, that repeated vaccination of horses at contaminated farms did not arrest the course of epizootics and, finally, that this vaccine is not a specific remedy for the treatment of horses affected with infectious anemia. 256T50

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

**LEVASHOV, A.A.; ALASHKIN, A.Ya.**

Testing the method of inducing infectious anemia in horses by atropine.  
and adrenaline. Veterinaria 32 no.7:50-53 J1 '55. (MLRA 8:9)  
(ANEMIA, EQUINE INFECTIOUS) (ADRENALINE) (ATROPINE)

PSHENICHNOV, V.A.; LEVASHOV, A.A.; NIKOLENKO, V.Ya.

Biological characteristics of vaccinal strain E of *Rickettsia prowazekii*; observations on the immunisation of humans with live typhus vaccine. *Vop.virus.* 4 no.6:698-703 N-D '59. (MIRA 13:3)  
(TYPHUS immunol.)  
(VACCINATION)

BENESHVICH, I. I., kandidat tekhnicheskikh nauk; BOGIN, N. M., kandidat tekhnicheskikh nauk; RYKOV, Ye. I., inzhener; VIASOV, I. I., kandidat tekhnicheskikh nauk; GRITSEVSKIY, M. Ye., inzhener; BRUBER, L. O., inzhener; GURVICH, V. G., inzhener; DAVYDOV, V. N., inzhener; YZESHOV, I. M., kandidat tekhnicheskikh nauk; ZASORIN, S. N., kandidat tekhnicheskikh nauk; IVANOV, I. I., kandidat tekhnicheskikh nauk; KRAUKLIS, A. A., inzhener; KROTOV, L. B., inzhener; LAPIN, V. B., inzhener; LASTOVSKIY, V. P., dotsent; LATUNIN, N. I., inzhener; MARKVAEDT, K. G., professor, doktor tekhnicheskikh nauk; MAKHAYLOV, M. I., professor, doktor tekhnicheskikh nauk; NIKANOROV, V. A., inzhener; OSKOLKOV, K. N., inzhener; OKHOSHIN, L. I., inzhener; PAFENOV, K. A., dotsent, kandidat tekhnicheskikh nauk; PERTSOVSKIY, L. M., inzhener; POPOV, I. P., inzhener; PORSHEV, B. G., inzhener; RATNER, M. P., inzhener; ROSSIYEVSKIY, G. I., dotsent, kandidat tekhnicheskikh nauk; RYKOV, I. I., kandidat tekhnicheskikh nauk; RYSHKOVSKIY, I. Ye., dotsent, kandidat tekhnicheskikh nauk; RYABKOV, A. Ye., professor [deceased]; TAGER, S. A., kandidat tekhnicheskikh nauk; KHAZEN, M. M., professor, doktor tekhnicheskikh nauk; CHERNYSHEV, M. A., doktor tekhnicheskikh nauk; EBIN, L. Ye., professor, doktor tekhnicheskikh nauk; YURENEV, B. N., dotsent; AKSENOV, I. Ye., dotsent, kandidat tekhnicheskikh nauk; ARKHANGELSKIY, A. S., inzhener; BARTENEV, P. V., professor, doktor tekhnicheskikh nauk; EHRIGARD, K. A., kandidat tekhnicheskikh nauk; BOROVSKI, N. Ye., dotsent, kandidat tekhnicheskikh nauk; BOGDANOV, I. A., inzhener; BOGDANOV, N. K., kandidat tekhnicheskikh nauk; VINNICHENKO, N. G., dotsent, kandidat ekonomicheskikh nauk;

(Continued on next card)

BEKESHEVICH, I. I. (continued) (cont.)

VASIL'YEV, V. F., inzhener; GONCHAROV, N. G., inzhener; DMRIBAS, A. T., inzhener;  
DOBROSEL'SKIY, K. M., dotsent, kandidat tekhnicheskikh nauk; DLUGACH,  
B. A., kandidat tekhnicheskikh nauk; IZMIMOV, G. P., kandidat tekhnicheskikh nauk;  
ZEMBLINOV, S. V., professor, doktor tekhnicheskikh nauk; ZABELLO, M. L., kandidat tekhnicheskikh nauk; IL'IN, K. P.,  
kandidat tekhnicheskikh nauk; KARKENIKOV, A. D., kandidat tekhnicheskikh nauk;  
KAPLUN, F. S., inzhener; KANSHIN, M. D.; KOCHNEV, I. P., professor, doktor tekhnicheskikh nauk;  
KOGAN, L. A., kandidat tekhnicheskikh nauk; KUCHERIN, S. F., inzhener; LEVASHOV, A. D., inzhener;  
MAKSIMOVICH, B. M., dotsent, kandidat tekhnicheskikh nauk; MARTYNOV, M. S., inzhener;  
MEDVEI, O. M., inzhener; NIKITIN, V. D., professor, kandidat tekhnicheskikh nauk;  
PADNYA, V. A., inzhener; PANTELAYEV, P. I., kandidat tekhnicheskikh nauk;  
PETROV, A. P., professor, doktor tekhnicheskikh nauk; POVCHORUKO, V. V., professor,  
doktor tekhnicheskikh nauk; PISKAROV, I. I., dotsent, kandidat tekhnicheskikh nauk;  
SERGEYEV, Ye. S., kandidat tekhnicheskikh nauk; SIMONOV, K. S., kandidat tekhnicheskikh nauk;  
SIMONOVSKIY, M. A., inzhener; SUYAZOV, I. G., inzhener; TALDAYEV, F. Ya., inzhener;  
PIERONOV, K. K., kandidat tekhnicheskikh nauk; USHAKOV, N. Ya., inzhener;  
USPENSKIY, V. K., inzhener; FEL'DMAN, E. D., kandidat tekhnicheskikh nauk;  
FERAPONTOV, G. V., inzhener; KHOKHLOV, L. P., inzhener; CHERNOMORDIK, G. I., professor,  
doktor tekhnicheskikh nauk; SHAMAYEV, N. S., inzhener; SHAFIRKIN, B. I., inzhener;  
YAKUSHIN, S. I., inzhener; GRANOVSKIY, P. G., redaktor; TISHCHENKO, A. I., redaktor;  
ISAYEV, I. P., dotsent, kandidat tekhnicheskikh nauk, redaktor; KLIMOV, V. Z., dotsent,  
kandidat tekhnicheskikh nauk (Continued on next card)

**BENESHEVICH, I.I.** (continued) (continued)

nauk, redaktor: MARKOV, N.V., inzhener, redaktor: KALININ, V.K.,  
inzhener, redaktor: STEFANOV, V.N., professor, redaktor: SIDOROV, N.I.,  
inzhener, redaktor: GERONIMIS, B.I., kandidat tekhnicheskikh nauk,  
redaktor: ROBEL', R.I., otvetstvennyy redaktor

[Technical reference manual for railroad engineers] Tekhnicheskiy  
spravochnik zheleznodorozhnikov. Moskva, Gos. transp.zheleznodor. izd-vo.  
Vol.10. [Electric power supply for railroads] Energosnabzhenie zhelez-  
nykh dorog. Otv.red. toma K.G.Markovaya. 1979. 1080 p. Vol.13.  
[Operation of railroads] Eksploataatsiya zheleznykh dorog. Otv. red.  
toma R.I.Robel'. 1956. 759 p. (MLRA 10:2)

1. Chlen-korrespondent Akademii nauk SSSR (for Petroy)  
(Electric railroads) (Railroads Management)

3/058/63/000/001/035/120  
A062/A101

AUTHOR: Levashov, A. E.

TITLE: A contribution to the generalized equivalent potential theory. I  
(Fundamental propositions)

PERIODICAL: Referativnyy zhurnal, Fizika, no. 1, 1963, 10, abstract 1B83  
("Nauk. zap. Kyivs'k. un-t", 1959, v.18, no. 3, 211 - 221, Ukrainian;  
summary in Russian)

TEXT: A generalization of the special relativity theory is proposed consisting in simultaneously operating with two geometries  $\Lambda$  and  $L$ . Physical equations are therein related to a certain light-system of reference in the " $\Lambda$  geometry", given by a field of virtual local Lorentz systems rotating together with the particle. Their affine connection is determined by the generalized equivalent potential (abstract 1B84). In the indicated system equations of relativistic dynamics have the form of classical equations with constant mass. Comparison with the experiment requires that in one of the systems, for instance the  $\Lambda$  system, the scale of the " $L$  geometry" be recalculated. Generally speaking,

Card 1/2

~~LEVASHOV, A. I.~~

Comrade Aristov's work experience as a boring machine operator in the "Dormashina" plant in Shcherbakov. Stroi. i dor.mashinostr. 1 no.2:35-36 P '56. (MIRA 10:1)  
(Shcherbakov--Machine-shop practice)

*27 FEB 1957, P.M.*  
LEVASHOV, A.M., inzhener.

On the article by I.A. Boverman, V.A. Timofeev, O.B. Nbin "New  
plan for a large state regional electric power plant (GRES)."  
Elek. sta. 28 no.6:91 Je '57. (MIRA 10:8)  
(Boverman, I.A.) (Electric power plants) (Timofeev, V.A.) (Nbin, O.B.)

ЛЕВАНОВ, А.М.

LEVASHOV, A.M. inzhener.

Chemical corrosion of copper wires and busbars due to the action of  
carbon bisulfide. Elektr. sta. 25 no. 7:92 J1 '57. (MIRA 10-9)  
(Corrosion and anticorrosives)

LEVASHOV, A.M., inzh.

Width of the clearing cut in a forest for transmission lines. Elek.  
sta. 29 no. 3:91 Mr '58. (MIRA 11:5)  
(Electric lines--Overhead)

LEVASHOV, A.M. (Moskva)

Special aspects of forming physical concepts in general  
schools for adults. Fiz. v shkole 21 no.6:51-53 N-D '61.  
(MIRA 14:12)

(Evening and continuation schools)  
(Physics—Study and teaching)

*Levashov, A.P.*  
NAGRODSKIY, I.A., kand. tekhn. nauk; LEVASHOV, A.P.

Using sodium hexametaphosphate for the elimination of pitch troubles.  
Bum. prom. 33 no.4:18-21 Ap '58. (MIRA 11:4)

1. Glavnyy inzhener Nemanskogo kombinata (for Levashov)  
(Sodium metaphosphates) (Paper) (Pitch)

LEVASHOV, A.V.

Effect of noncoaxiality resulting from faulty design and assembly  
on the performance precision of machine tools. Stan. i instr. 26  
no.7:1-4 J1 '55. (MIRA 8:9)  
(Machine tools--Design)

LEVASHOV A.V.

Control of gear-cutting machines based on the precision of pitch.  
Stan.i instr. 28 no.9:12-17 S '57. (MIRA 10:10)  
(Gear-cutting machines)

ЛЕВАШОВ И РОГОВСКИЙ

121-4-6/32

AUTHORS: Levashov, A.V. and Rogovskiy, I.A.

TITLE: Simplified Selection of Change Gears for the Segment of the Differential Gear in Gear Hobbing Machines (Uproshcheniye podbora smennykh zubchatykh kolez gitary differentsiala na zubofrezernykh stankakh)

PERIODICAL: Stanki i Instrument, 1963, No. 4, pp. 15 - 17 (USSR).

ABSTRACT: A simplification in selecting change gears in the shop for cutting helical spur gears on hobbing machines without the use of trigonometric, logarithmic or special numerical tables can be achieved by the standardisation of the ratio of the axial pitch to the normal module. A series of proposed standard values is given in the first column of Table 1. Confined to these values, if accepted in design and production, an exact set of change gears can be simply found, usually by inspection, as shown in a numerical example. All gears produced to this standard on precision machines will have tooth contact along the whole length of the tooth. Table 2 compares the existing and the proposed formulae for the overall ratio of the set of change gears in a wide range of Soviet, Pfauter, Miles and other gear hobbing machines. Apart from issuing user instructions to the design office and the shop, about a dozen further change gears are required for each machine. There are 2 tables.

Card 1/2

121-1-1/32  
Simplified Selection of Change Gears for the Segment of the Differential Gear in Gear Hobbing Machines

AVAILABLE: Library of Congress  
Card 2/2 1. Gear cutting machines-Standards

FAYDISH, Aleksandr Nikolayevich [Faidysh, O.M.], kand.fiziko-matem.nauk;  
LEVASHOV, A.Ye., kand.fiziko-matem.nauk, glavnyy red.

[Elementary particles] Elementarni chastyuky. Kyiv, 1959.  
38 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh  
snan' URSR. Ser.5, no.4) (MIRA 12:7)  
(Particles, Elementary)

ANTSUPOV, P.V.; RYNSKIY, M.A.; VUL', M.A.; KURILETS, I.I.; LEVASHOV, P.I.

Ol'khovka, a new oil field in the Carpathian oil- and gas-bearing province. Neftegaz.geol. i geofiz. no.2:15-19 '64. (MIRA 17:4)

1. Kalushskaya KRB tresta "L'vovneftegazrazvedka".

LEVASHOV, G.

Petroleum workers of Kazakhstan are being trained in a new way.  
Prof.-tekh. obr. 17 no.8:12 Ag '60. (MIRA 13:8)

1. Zamestitel' direktora po uchebno-proizvodstvennoy rabote remes-  
lennogo uchilishcha No.19, Kazakhskaya SSR.  
(Petroleum workers)

ANTSUPOV, P.V.; VUL', M.A.; RYNSKIY, M.A.; KURILETS, I.I.; LEVASHOV, F.I.

New data on the commercial prospecting of the Strutyn' oil  
field. Neft. i gaz. prom. no.1:6-9 Ja-Mr '64. (MIRA 18:2)

LEVASHOV, G.A.

Mechanization and automation in the Inta mines. Ugol'  
37 no.9:8-10 S '62. (MIRA 15:9)

1. Glavnyy inzh. kombinata Intaugol'.  
(Pechora Basin--Coal mines and mining)  
(Automatic control)

ZAVADOVSKAYA, N.V.; LEVASHOV, G.V. (Kalinin)

Gastrogenic tetany. Klin. med. 41 no.7:144-147 J1'63  
(MIRA 16:12)

1. Iz kafedry fakul'tetskoy khirurgii (zav. - zasluzhennyy  
deyatel' nauki prof. V.S. Semenov) Kalininskogo meditsinskogo in-  
stituta na baze 1-y oblastnoy bol'nitsy g. Kalinina (glavnyy  
vrach - zasluzhennyy vrach RSFSR A.A. Sokolov).

LEVASHOV, I., agronom (Kursk).

How to control potato late blight during the storage of seed  
potatoes. Zashch. rast. ot vred. i bol. 10 no.9:40 '65.  
(MIRA 18:11)

181T62

LEVASHOV I. M.

USSR/Medicine - Helminthology

1950

"Helminths as Components of the Biosphere," I. M.  
Levashov

"Trudy Gel'mintolog Lab, Ak Nauk SSSR" Vol III,  
pp 42-50

Deals exhaustively with all aspects of subject.

181T62

LEVASHOV, K.K.

Petrology of granitoids in the Degel'kikh-Guolond'a interfluve  
(southern Verkhoyansk Range). Geol. i geofiz. no.12:58-70 '62.  
(MIRA 16:3)

1. Yakutskoye geologicheskoye upravleniye.  
(Verkhoyansk Range—Granite)

LEVASHOV, L.

KORCHAGIN, V.; CHUDAKOV, V.; ROVNYKH, A.; PLATONOV, V.; DENISOV, Yu.;  
LYURAKOV, V.; LEVASHOV, L.; GROYSMAN, E.; YUMATOV, V.; MOSIN, V.

Designing, constructing, flying. Tekn. mol. 26 no.3:31 '58.  
(MIRA 11:3)

1. Predsedatel' soveta Osobogo konstruktorskogo byuro (for Korchagin).
2. Chleny soveta Osobogo konstruktorskogo byuro (for all except Korchagin).

(Airplanes--Design and construction)

LEVASHOV, M.M.; TSUKERMAN, V.A.

Photographic method for the recording and time scanning of nystagmus  
and voluntary eye movements. Zhur. ush. no. 1 gorl. bol. 21 no.4:  
21-24 JI-Ag '61. (MIRA 15:1)

1. Iz kafedry bolezney ukha, gorla i nosa (nachal'nik - zasluzhennyy  
deyatel' nauki prof. K.L.Khilov) Voenno-meditsinskoy ordena Lenina  
akademii imeni S.M.Kirova.  
(EYE MOVEMENTS)

KARMANOVA, G.D.; LEVASHOV, M.M.

Hemorrhagic laryngitis in cystic degeneration of the kidneys. Vest.  
oto-rin. 18 no.5:131-132 8-0 '56. (MLRA 9:11)

1. Iz gorodskoy polikliniki i mediko-sanitarnoy chasti neftyanikov  
Krasnokamskogo gorzdravotdela. (KIDNEYS--TUMORS)  
(LARYNX--DISEASES)

LEVASHOV, M.M.

LEVASHOV, M.M. (Leningrad)

Modified Rosen's operation for otosclerosis [with summary in English].  
Vest.oto-rin. 20 no.1:34-35 Ja-P '58. (MIRA 11:3)

1. Iz kliniki bolezney ukha, gorla i nosa (zav.-zasluzhennyy deyatel'  
nauki prof. K.L.Khilov) Leningradskogo sanitarno-gigiyenicheskogo  
meditsinskogo instituta.  
(OTOSCLEROSIS, surg.  
stages mobilization, modification of Rosen technic (Rus)

LEVASHOV, M.M.

Two cases of immobility of the mallous in otosclerosis.  
Vest.otorin. 21 no.3:84-85 My-Je '59. (MIRA 12:9)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - zaslužennyy  
deyatel' nauki prof.K.L.Khilov) Leningradskogo sanitarno-  
gigiyenicheskogo meditsinskogo instituta.

(OTOSCLEROSIS, pathol.

immobility of mallous (Rus))

(EAR OSSICLES

immobility of mallous in otosclerosis (Rus))

LEVASHOV, M.M. (Leningrad)

Soft electrode for experimental stimulation of a nerve located  
deep in a wound. Pat.fiziol.eksp.terap. 4 no.1:73-74 Ja-F '60.  
(MIRA 13:5)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - prof. N.A.  
Pantov) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo  
instituta.

(WOUNDS AND INJURIES exper.)

(NEUROLOGY exper. equipment and supply)

LEVASHOV, M.M.

Rare foreign body (a pencil) in the nasal cavity for 20 years.  
Zhur.ush., nos.i gorl.bol. 21 no.6:66 N-D '61. (MIRA 15:11)

1. Iz kafedry bolezney ukha, gorla i nosa (nachal'nik - zasluzhenny  
deyatel' nauki prof. K.L.Khilov) Voenno-meditsinskoy ordena  
Lenina akademii imeni S.M.Kirova.  
(NOSE--FOREIGN BODIES)

LEVASHOV, M.M.

Primary acute suppurative inflammation of the ear of diphtheria  
etiology. Zhur.ush., nos. i gorl. bol. 22 no. 4:85-86 J1-Ag 45.  
(MIRA 16:2)

1. Iz kafedry bolezney ukha, gorla i nosa (nachal'nik - zasluzhennyy  
deyatel' nauki prof. K.L. Khilov) Voenno-meditsinskoy ordena  
Lenina akademii imeni S.M. Kirova.  
(DIPHTHERIA) (EAR--INFLAMMATION)

L 17527-6E  
Pb-4 DD

EWG(r)/EWT(1)/FS(v)-3/ENG(v)/ENG(a)/EWG(c) Pb-4/Pe-5 AAD/

S/0239/64/050/012/1424/1433

ACCESSION NR: AP5000264

AUTHOR: Levashov, M. M.

TITLE: Nystagmographic analysis of the fast component of vestibular nystagmus associated with radial acceleration 2 B

SOURCE: Fiziologicheskii zhurnal SSSR, v. 50, no. 12, 1964, 1424-1433

TOPIC TAGS: vestibular analyzer, nystagmus, vestibular nystagmus, Barani chair, rabbit, radial acceleration

ABSTRACT: Rabbits were horizontally rotated on a modified Barani chair equipped with contacts to register the rate of rotation and a clamp to hold the head of the animals in place. Nystagmus was recorded by constantly photographing the eyes of animals as they rotated. The eyes of the rabbits were anesthetized with 0.5% dicaine solution. In all, 2000 nystagmus reactions were evaluated in 167 nystagmograms. It was found that the rate of the fast component of vestibular nystagmus brought on by horizontal rotation can increase or decrease during the course of the reaction. The most noticeable variations in the fast-component rate takes place at the onset of rotational nystagmus and during post-rotational nystagmus. Variations

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L. 17527-65

ACCESSION NR: AP5000264

in the fast-component rate do not coincide with variations in the slow-component rate. The contrast between fast- and slow-component variations is more pronounced during post-rotational nystagmus. During a 2000-msec period, from the moment that rotation is curtailed, variations in the fast-component rate have a uniform character and occur in analogous time segments in different rabbits. The rate of those fast components which occur between 200 and 600 msec can be described as maximum. In the period falling between 600 and 1120 msec there is a decrease in the fast-component rate with the minimum value occurring at the midpoint of this interval. The fact that variations in the fast-component rate occur in given time segments following the cessation of rotation may indicate that there is a link between the expressive stage of the fast-component rate and the vestibular apparatus. It is concluded that detailed characteristics of the fast component of vestibular nystagmus can serve as a valuable index for evaluating vestibular function. Orig. art. has: 2 tables and 4 figures.

ASSOCIATION: Laboratoriya Fiziologii slukhovogo analizatora Instituta fiziologii imeni I. P. Pavlova AN SSSR, Leningrad (Laboratory of Physiology of the Auditory Analyzer, Institute of Physiology, AN SSSR)

Card 2/3

L 17527-65  
ACCESSION NR: AP5000264

SUBMITTED: 28Oct63

NO REF SOV: 004

ENCL.: 00

OTHER: 013

0  
SUB CODE: PH, LS

ATD PRESS: 3152

Card 3/3

L 21906-66 EWT(1) SCTB DD  
 ACC NR: AP6011454

SOURCE CODE: UR/0219/65/059/001/0006/0010  
 21  
 B

AUTHOR: Levashov, M. M.

ORG: Laboratory for the Physiology of the Auditory Analysor/headed by Professor G. V. Gershuni/, Institute of Physiology im. I. P. Pavlov/directed by Academician V. N. Chernigovskiy/, AN SSSR, Leningrad (Laboratoriya fiziologii slukhovogo analizatora Instituta fiziologii AN SSSR)

TITLE: Rate of the fast component of nystagmus with rhythmic electrical stimulation of the ampular receptor (On the relation between the fast component and the vestibular apparatus)

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 59, no. 1, 1965, 6-10

TOPIC TAGS: rabbit, electrophysiology, pharmacology, central nervous system

ABSTRACT: Experiments were conducted on grown rabbits to determine any dependence of the fast component on the frequency of afferent pulsation and, should such a dependence exist, to determine whether the frequency of the fast component has an optimum. The semicircular canal of the rabbits was fenestrated and a bipolar electrode with an inter-electrode distance of 0.1 mm was introduced into the ampule. The animals were narcotized with amital, and novocaine was used as a local anesthetic. The experiments began 5-7 hours after the drugs were administered. Five-second series of rectangular pulses with a duration of 0.2 msec were applied at the electrodes. Rates of 10, 20, 30, 40, 50, and 60 pulses per second were applied in sequence. The optimum frequency (that which caused the highest rate of the fast component) was 30  
 Card 1/2 UDC: 617.761.24-02: 616.281-008.1-001.22+612.886.014.424: 612.846

L 21906-66

ACC NR: AP6014454

pulses per second. The author concludes that the fast component depends on the afferent pulsation and that this dependence is more complicated than the dependence of the rate of the slow component. It appears that both components are associated with the vestibular apparatus, but the connections are anatomically and functionally different. This paper was presented by Academician V. N. Chernigovskiy. Orig. art. has: 2 figures and 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: 05Feb64 / ORIG REF: 006 / OTH REF: 008

Card 2/2

*MJS*

L 2164-66

ACCESSION NR: AP5023670

UR/0219/65/060/009/0007/0010  
612.833.846-06 : 612.886

17  
B

AUTHOR: Levashov, M. M.

TITLE: Tonic reflex upon the eye muscles following rhythmic electric stimulation of the vestibular receptors

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 60, no. 9, 1965, 7-10

TOPIC TAGS: vestibular apparatus, electrophysiology, labyrinth, reflex, neurology, nerve stimulation

ABSTRACT: The purpose of the investigation was to elicit a tonic labyrinthine reflex upon the eyes of a rabbit by rhythmic electric stimulation of the receptors of one vestibule of the ears and to determine the relationship, if any, between the reflex and the rate of stimulation. Rhythmic electric stimulation of the vestibular apparatus regularly caused both eyeballs to oscillate in a frontal plane - upward deviation on the side stimulated, downward on the opposite side. The nystagmus set in after a latent period of 30-400 msec. The amplitude increased with the rate of stimulation. At low frequencies the amplitude remained unchanged during the

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ACCESSION NR: AP5023670

stimulation period. At frequencies of 80 and 90 cps the eyeball oscillated smoothly around its new position, the rate being proportional to the frequency of stimulation. The speed of return of the eyeball to its original position upon cessation of stimulation invariably exceeded the rate of oscillation. The author believes the nystagmic reaction to electric stimulation of the vestibular apparatus to be the result of a difference between the afferent impulses of the two vestibules - a synchronized flow of afferent impulses caused by electric impulses between the ends of the electrode implanted in the labyrinthine fluid, on one hand, and a spontaneous flow of afferent impulses from the receptors of the intact vestibule, on the other. Orig. art. has: 3 figures.

ASSOCIATION: Laboratoriya fiziologii slukhovogo analizatora, Instituta fiziologii AN SSSR, Leningrad (Laboratory of Physiology of the Acoustic Analyzer, Institute of Physiology, AN SSSR)

SUBMITTED: 14Apr64

ENCL: 00

SUB CODE: LS

NO REF SOV: 005

OTHER: 001

Card 2/2 *dg*

IEVANOV, M. M., 1935-

"Root-knot nematode in Abkhazian and on the other side of the Black Sea in 'Soviet Republics.'" Biull. VII Year. Vsesoyuzn. nauchno-issled. inst. zhivotnovodstva, No. 5, p. 21.

GC: Collection of Works on Nematodes of Agricultural Plants, Ed. by A. G. Kir'yanova, Gosizdat. Kolchoz i Sovkhoz lit., 1937, Moscow-Leningrad

11/5  
1937.5  
.06

IBNACHOV, M. M., 1 30-

Materials for the study of plant life in the mountains of the Caucasus  
Sea in North Caucasus, Isradit. U. Eksp. Inst. M. 1954, no. 1. 3. 1954.

CC: Collection of Works on Herpetology of Agricultural Plants, Ed. by A. S. Nikit'skaya,  
Gosizdat. Eksp. i Sevkhos lit., 1954, Moscow-Leningrad. N/S

00.5  
.00

LEVASHOV, N. M.

Ob Izuchennosti Gel'Mintofauny Ptits SSSR. (Materialy K Poznaniyu Gel'Mintobioty SSSR), "Work on Helminthology" on the 75th Birthday of K.I. Skryabin, Izdak, Akad. Nauk, SSSR, Moskva, 1953, p. 349  
Chair General Biology, Molotov State Medical Inst.

LEVASHOV, M.M.

Some methodological and organizational problems in medical hel-  
minthology. Med.paraz. i paraz. bol.24 no.2:185-187 Ap-Je '55.  
(MLRA 8:10)

1. Molotovskiy meditsinskiy institut.  
(HELMINTHOLOGY)

LEVASHOV, M.M.

Principles underlying the study of helminth geography. Trudy Gel'm.  
lab. 9:151-154 '59. (MIRA 13:3)  
(Helminthology)

SKRYABIN, K.I., akad., Geroy Sotsialisticheskogo truda, Laureat Leninskoy i Gosudarstvennykh premiy; SHIKHOBALOVA, N.P.; PETROV, A.M.; LEVASHOV, M.M.; GUSHANSKAYA, L.Kh., red. izd-va; NOVICHKOVA, N.D., tekhn. red.; LAUR, V.G., tekhn. red.

[Development of theoretical and practical helminthology in the U.S.S.R.] Stroitel'stvo gel'mintologicheskoi nauki i praktiki v SSSR. Moskva, Izd-vo Akad. nauk SSSR. Vol.1. 1962. 295 p.  
(MIRA 15:5)

(Helminthology)

SKRYABIN, Konstantin Ivanovich, akademik; SHIKHOBALOVA, Nadezhda Pavlovna; PETROV, Aleksandr Mikhaylovich; LEVASHOV, Mikhail Mikhaylovich; GUSHANSKAYA, L.Kh., red.; BROVKINA, Ye.T., red. izd-va; DOROKHINA, I.N., tekhn. red.

[Development of helminthological science and practice in the U.S.S.R.] Stroitel'stvo gel'mintologicheskoi nauki i praktiki v SSSR. Moskva, Izd-vo AN SSSR, Vol.2. 1963. 415 p.

(MIRA 16:11)

(Helminthological research)

LVASHOV, M.M., prof. (cont.)

History of parasitological research in the USSR. Trudy Perm.  
gos. med. inst. 43:65-71, 1968. (MIRA 17:6)

LEVIN, E.I.; LEVASHOV, M.P.; NECHAYEVSKIY, G.S.; KRIZHEVSKIY, V.M., TESLER, P.A.;  
KOBRIISKIY, G.S.

Large-panel buildings of standardized autoclaved elements. Transp.  
stroil. 15 no.5:23-26 My '65. (MIRA 18:7)

1. Odesstranstroy (for Krizhevskiy). 2. Nauchno-issledovatel'skiy in-  
stitut batona i zhelezobetona Gosstroya SSSR (for Kobrinskiy).

LEVASHOV, N.V. (Kuybyshev (oblastnoy), ul. Vilonovskaya, d.10, kv.50)

Case history and surgery in perineal hernias. Nov.khir.erkh. no.2  
90-92 Mr-Ap '58 (MIRA 11:6)

1. Kafedra obshchey khirurgii (zav. prof. S.P. Shilovtsev)  
Kuybyshevskogo meditsinskogo instituta.  
(HERNIA)  
(PERINEUM--SURGERY)

LEVASHOV, N.V. (Kuybyshev (obl.), Vilonovskaya ul., d.10, kv.5)

Experimental surgical treatment of mitral insufficiency.  
Grud. khir. 2 no.1:29-33 Ja-F '60. (MIRA 15:3)

1. Iz kliniki fakul'tetskoy khirurgii (zav. - prof. S.L. Libov)  
Kuybyshevskogo meditsinskogo instituta.  
(MITRAL VALVE—SURGERY)

LEVASHOV, N.V. (Kuybyshev (obl.), ul. Polevaya, d.3, kv.42)

Unusually large coelomic cyst of the pericardium. Grudn. khir.  
5 no.4:90-91 JI-Ag'63 (MIRA 17:1)

LEVASHOV, N.V., kand. med. nauk; ALKS, A.O.

Presacral mediastinography using nitrous oxide. Khirurgiia 40  
no.12:31-34 D '64. (MIRA 18:3)

1. Kafedra gospital'noy khirurgii (zav.- prof. N.V. Rozovskiy)  
Krasnoyarskogo meditsinskogo instituta.

30(11)

AUTHOR:

Levashov, P., Chief Designer of the SOV/29-59-2-30/41  
~~Moscow Machine-Tool~~ Building Works imeni Ordzhonikidze

TITLE:

We Are Now Creating the Bases for the Workbenches of the  
Future (Osnovy stankov budushchego my sozdayem seychas)

PERIODICAL:

Tekhnika molodezhi, 1959, Nr 2, p 34 (USSR)

ABSTRACT:

To the question raised by the editors of the periodical "Tekhnika - molodezhi" how he thought of the future P. Levashov answered: "We, designers, are often asked what metal-processing work benches there will be under Communism. The details cannot be predicted. But we are already now creating the bases for the workbenches of the future. We produce unit workbenches, universal special automatic and semiautomatic machines with one or more spindles. We create automatic lathes with several spindles for carrying out not only different lathe work but also milling and hardening with high-frequency current, etc. These automatic machines can be used on automatic lines, in automatized workshops and factories. In future, the parts will not only be machined on automatic lines, but they will be assembled to a unit, tested and packed. While the worker today adjusts for himself the workpiece, operates the levers

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We Are Now Creating the Bases for the Workbenches  
of the Future

SOV/29-59-2-30/41

of the workbench, makes the measurements and lifts the finished piece from the workbench, all these operations will be made by automatons in the future. Man will only give his instructions. The worker will only make the sample. The automatons will retain these processes and do the further work for themselves. Other automatons will receive a program given in advance on a magnetic tape or perforated card. In the Communist society, everything will be organized in such way that hard and mechanical work will be carried out by machines."

Card 2/2

LEVASHOV, V. I.

Chemistry - Experiments

Improved alcohol burner for chemical experiments in schools.  
Klim. v. shkole no. 2, 1952.

MONTHLY LIST OF RUSSIAN ACCESSIONS. Library of Congress, November 1952. UNCLASSIFIED.

LEVASHOV, V.I. (posad Chernomorskiy Krasnodarskogo kraya).

Physics and chemistry club in the school. Khim.v shcole no.4:50-52 Ul-Ag  
'53. (Mlda 5:3)  
(Science clubs)

LEVASHOV, V.I. [reviewer]; GLORIOZOV, P.A. [author].

Valuable guide to the organization of a chemical laboratory in schools  
("Experience in organizing chemical laboratories in schools." P.A.  
Gloriozov. Reviewed by V.I.Levashkov.) Khim.v shkole no.6:69-71 N-D  
'53. (MIRA 6:11)

(Chemical laboratories) (Gloriozov, P.A.)

LEVASHOV, V.I (pos. Chernomorskiy, Krasnodarskiy kray)

Do not stray from the requirements of logic and didactics. Khim.v  
shkole 9 no.3:70-72 My-Je '54. (MIRA 7:6)  
(Chemistry--Study and teaching)

LEVASHOV, V.I. (pos. Chernomorskiy Krasnodarskogo kraya)

Organising a physicochemical laboratory in a secondary school.  
Khim. v shkole 9 no.4:40-46 J1-Ag '54. (MLRA 7:8)  
(Chemical laboratories)

LEVASHOV, V., (Krasnodarskiy kray); POLESHKO, S., (Krasnodarskiy kray); TARATUTA,  
F., (Krasnodarskiy kray)

Good initiative ("Brief laboratory manual of organic chemistry".)  
[professor] M.P. Piatnitskii, B.A. Nesterenko. Reviewed by V. Levashov,  
S. Poleshko, F. Taratuta. Khim. v shkole 10 no.3:69-71 My-Je '55.  
(Chemistry, Organic--Laboratory manuals) (MIRA 8:8)  
(Piatnitskii, M.P.) (Nesterenko, B.A.)

LEVASHOV, V.I., preodavatel' sredney shkoly; DRIZOVSKAYA, T.M., redaktor;  
YALKINA, G.A., redaktor; GARNEK, V.P., tekhnicheskiy redaktor

[Chemical laboratory club in the school] Kruzhok khimikov-laborantov  
v shkole. Pod red. T.M.Drizovskoi. Moskva, Izd-vo Akademii pedagog.  
nauk RSFSR, 1956. 19 p. (MLRA 10:1)  
(Chemistry--Study and teaching)

LEVASHOV, V.I. (pos. Chernomorskiy, Krasnodarskiy kray)

Exhaust system for the demonstration of experiments with toxic  
gases. Khim.v shkole 11 no.5:56-57 8-0 ' 56. (MLRA 9:11)  
(Chemical laboratories) (Gases, Asphyxiating and poisonous)

LEVASHOV, V.I. (poselok Charnomorskiy Krasnodarskogo kraya).

Propaganda of advanced experience and efficient aid to teachers.  
Khim. v shkole 12 no.3:47-55 My-Je '57. (MLRA 10:6)  
(Chemistry--Study and teaching)

~~LEVASHOV, Vladimir Ivanovich~~, zasluzhennyy uchitel' shkoly RSFSR; KHODAKOV, Yu.V., prof., red.; SHAPOSHNIKOVA, A.A., red.; SOKOLOVA, R.Ya., tekhn. red.

[Evening of entertaining chemistry in school] Vecher zanimatel'noi khimii v shkole. Pod red. IU.V. Khodakova. Moskva, izd-vo Akad. pedagog. nauk RSFSR, 1958. 52 p. (MIRA 14:7)

1. Chlen-korrespondent Akademii pedagogicheskikh nauk RSFSR (for Khodakov)

(Chemistry—Study and teaching)

LEVASHOV, V.I. (poselik Chernomorskiy Kraenodarskovo kraya)

Secondary school optional practical courses for chemistry laboratory technicians. Khim. v shkole. no.2:66-69 Mr-Ao '59. (MIRA 11:3)  
(Chemistry--Study and teaching (Secondary))

LEVASHOV, V.I.

Combining chemistry teaching with the course on the principles of industrial production in the 9th grade. Khim. v shkole 14 no.1: 68-74 Ja-F '59. (MIRA 12:2)

1. Iz opyta shkoly No.51 pos. Chernomorskiy Krasnodarskogo kraya. (Chemistry--Study and teaching)

LEVAŠOV, V.I., uchitel'

Exhaust system for demonstration experiments with harmful gases.  
Khim. v shkole 16 no.2:55-57 Mr-Apr '61. (MIRA 14:6)

1. Srednyaya shkola No.51, pos. Chernomorskiy, Krasnodarskiy kray.  
(Chemical laboratories--Equipment and supplies)

LEVASHOV, Vladimir Ivanovich; GEMBOREK, G.L., red.; KOZLOVSKAYA,  
M.D., tekhn. red.

[Chemistry made interesting] Zanimatel'naya khimiya. Mo-  
skva, Uchpedgiz, 1962. 131 p. (MIRA 15:7)  
(Chemistry)

LEVASHOV, V. I., zaslushennyy uchitel' shkoly RSFSR.

Examining the trial textbook of chemistry for eight-year  
schools, Khim. v shkole 17 no.6:40-46 N-D '62.  
(MIRA 16:1)

(Chemistry--Textbooks)

TIMAKOV, V.D., KAGAN, G.Ya., LEVASHOV, V.S.

Biological features of the L form of the typhoid bacteria grown  
on media containing penicillin [with summary in English].  
Antibiotiki 3 no.4:46-50 JL-Ag '58 (MIRA 11:10)

1. Institut epidemiologii i mikrobiologii imeni N.F. Gamalei  
AMN SSSR.

(EBERTHELLA TYPHOSA)  
(PENICILLIN)

KAGAN, G.Ya.; LNVASHOV, Y.S.

Method for obtaining L-forms of hemolytic streptococci type A and their reversion to bacterial cultures. Zhur.mikrobiol., epid. i immunit. 30 no.12:68-73 D '59. (MIRA 13:5)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

(STREPTOCOCCUS culture)

LEVASHOV, V.V., polkovnik meditsinskoy sluzhby

Hygienic properties of fatigue uniforms (for base wear) in Central  
Asia. Voen. med. zhur. no.4:65-68 Ap '59. (MIRA 12:8)

(ARMED FORCES PERSONNEL,  
fatigue uniforms (Rus))  
(CLOTHING,  
military fatigue uniforms (Rus))

LEVASHOV, V. V., CAND MED SCI, "ON THE <sup>question</sup> ~~QUESTION~~ OF THE  
SIGNIFICANCE OF CERTAIN INDICES <sup>of the</sup> ~~ON~~ MICROCLIMATE UNDER THE  
CLOTHING FOR <sup>a</sup> ~~THE~~ COMPARATIVE ~~ON~~ HYGIENIC EVALUATION OF THE  
SPECIAL <sup>uniform</sup> ~~CLOTHING~~ <sup>of</sup> ~~FOR~~ FIGHTER PILOTS." MOSCOW, 1961. (INST  
OF <sup>Labor</sup> ~~INDUSTRIAL~~ HYGIENE AND OCCUPATIONAL DISEASES OF ACAD MED  
SCI USSR). (KL-DV, 11-61, 228).

-266-

UMANSKIY, Semen Petrovich; LEVASHOV, V.V., kand. med. nauk,  
polkovnik, retsenzent; LATININ, Ye.B., red.

[Endurance barrier of a pilot] Bar'ier vyнослиvosti let-  
chika. Moskva, Mashinostroenie, 1964. 169 p.  
(MIRA 1844)

L 14249-66 EWT(1)/FS(v)-3 SCTB ID/RD

ACC NR: AT6003850

SOURCE CODE: UR/2865/65/004/000/0165/0168

41  
46

AUTHOR: Levashov, V. V.

ORG: none

TITLE: New aspects of personal hygiene

SOURCE: AN SSSR. Otdeleniye biologicheskikh nauk. Problemy kosmicheskoy biologii, v. 4, 1965, 165-168

TOPIC TAGS: bacteria, hygiene, skin physiology, space physiology, space chamber test, closed ecology system, astronaut human engineering

ABSTRACT: Hygienic control in spaceflight will require detailed study of the functions of the skin and the role of skin processes in vital activity. Optimal and permissible values must be established for the biological, physical, and chemical indices of the skin under normal conditions and during exposure to various flight stressors. Results of some studies already made are reported.

Deprivation of customary washing arrangements for 2 weeks had an adverse effect on general well-being. Deprivation for longer periods had

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ACC NR: AT6003850

still more severe effects, even resulting in the development of skin pathologies.

Experiments in small pressure-, echoless-, and thermo chambers under conditions of artificial lighting and restricted movement, showed the adverse effect of hypodynamia and UV deprivation. Skin indices have been studied in persons confined for long periods in small chambers.

The elasticity of certain portions of the skin changes by a factor of 2 to 3 under these conditions. This not only has a negative effect on morale, but interferes with freedom of movement. Persons of middle age and older, and persons in sedentary occupations, often show these little-studied reversible changes in skin elasticity. One of the mechanisms appears to be shifts in the activity of the sebaceous and sweat glands.

Experimental removal of underwear for 5 days resulted in greatly increased accumulation of sebum (440 to 470 mg/cm<sup>2</sup>). Sebum remained normal for covered areas due to continuous absorption by the underwear; however, the absorptive capacity of underwear eventually decreases. Skin elasticity and sebum can also serve as indices of the efficacy of various hygienic procedures.

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ACC NR: AT6003850

One of the natural defenses of the body is the bactericidal function of the skin, still not fully understood. It is important to the maintenance of biological equilibrium between cosmonauts and their autoflora and as a defense against extraterrestrial forms of life. Confinement was found to reduce the bactericidal effectiveness of the skin.

Increase in the microflora population of clothing,<sup>44</sup> atmosphere, and environment may become a dangerous source of endogenic infection. Special procedures to prevent the proliferation of microbes, including disinfection of the environment and cleaning of the skin and mucosa, are indicated.

Possible correlations of indices such as nonspecific skin reactivity and changes in the chemical composition of sebum with bactericidal properties of the skin must not be overlooked.

Ogleznev's data indicate that prolonged confinement in small compartments reduces nonspecific skin reactivity. Pinogenov states that exposure to oxygen, moisture, and lipase increases the amount of higher and lower fatty acids, ketones, and aldehydes on the skin. These facts must be considered in future studies of interaction between micro- and macroorganisms,

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ACC NR: AT6003850

in particular, the connection between the increased acidity of the skin and the growth of the microflora population with declining defensive function. In view of the importance of symbiotic microflora, however, the hygienic measures to be adopted should provide for the protection of human autoflora.

In conclusion, it is noted that the mechanical and engineering problems of using whatever substances may be developed for maintenance of personal hygiene form a separate field of study, owing to the peculiarities of the behavior of liquids under the unusual gravity conditions prevailing in spaceflight. [ATD PRESS: 4091-F]

SUB CODE: 06 / SUBM DATE: none

FW  
Card 4/4

LEVASHOV, Boris Sergeevich, inzh.; LOBASHEVSKIY, Lev Vasil'yevich, inzh.;  
TUKTAYEV, Igor' Izmaylovich, inzh.

Universal device for recording the volt-ampere characteristics of  
electric brushes. Izv. vys. ucheb. zav.; elektromekh. 4  
no.3:116-122 '61. (MIRA 14:7)

1. Filial nauchno-issledovatel'skogo instituta Tomskogo  
sovnarkhoza.

(Brushes, Electric)  
(Electronic measurements)

LEVASHOVA, A.F., uchitel'nitsa

Aid to a school by members of the Communist Youth League associated  
with chemical enterprises. Khim. v shkole 15 no.4:85 J1-Ag '60.  
(MIRA 13:9)

1. Srednyaya shkola No 1, g. Valuyki.  
(Macromolecular compounds---Study and teaching)  
(Communist Youth League)

ACCESSION NR: AT4016006

8/2625/63/000/015/0344/0350

AUTHOR: Svetozarova, O. I.; Zhdanova, V. V.; Nesmeyanova, T. S.; Levashova, E. P.; Kozorezova, A. I.; Nemchenko, S. A.; Minets, T. M.

TITLE: Study of the composition of gasolines obtained by catalytic cracking of highly paraffinic gas oils

SOURCE: Grozny\*y. Neftyanoy nauchno-issledovatel'skiy institut. Trudy\*, no. 15, 1963. Tekhnologiya pererabotki nefti i gaza. Neftekhimiya (Technology of processing petroleum and gas. Petroleum chemistry), 344-350

TOPIC TAGS: petroleum refining, gasoline, cracking, catalytic cracking, hydrocarbon composition, paraffinic petroleum, gas oil

ABSTRACT: The composition of the pentane-hexane fractions and aromatic hydrocarbons in gasolines boiling at up to 200C and obtained by catalytic cracking of petroleum gas-oil with a high content of paraffinic hydrocarbons was investigated. The experiment consisted of four stages: (1) Isolation of gasoline from the cracking products; (2) chromatographic separation of the fraction into paraffin-naphthene, unsaturated and aromatic portions on silicagel with a benzene activity of 13-15 ml/100 g.; (3) fractionation into small fractions

Card 1/2

SVETOZAROVA, O.I.; SHDANOVA, V.V.; NESMEYANOVA, T.S.; LEVASHOVA, E.P.;  
KOZOREZOVA, A.I.; NEMCHENKO, S.A.; MINETS, T.M.

Studying the composition of the aromatic hydrocarbons of  
gasolines. Nefteper. i neftekhim. no.6:19-21 '63 (MIRA 17:7)

1. Groznenskiy neftyanoy nauchno-issledovatel'skiy institut.

~~SECRET~~

*2 ml*

LEVASHOVA, L.A.; KURKCHI, G.A.

Analysis of a mixture of methylcyclohexanone oximes by their infrared spectra. Neftekhimiia 3 no.1:108-113 Ja-F '63.  
(MIRA 16:2)

1. Nauchno-issledovatel'skiy i proyektnyy institut azotnoy promyshlennosti i produktov organicheskogo sinteza.  
(Cyclohexanone--Absorption spectra)

STREL'TSOVA, A.A.; LEVASHOVA, L.A.; PORTNOVA, M.N.

Analysis of nitrosyl chloride, hydrogen chloride, and nitric  
oxide. Zav. lab. 30 no.11:1321-1322 '64 (MIRA 18:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy in-  
stitut azotnoy promyshlennosti i produktov organicheskogo  
sinteza.

LEVASHOVA, L.B.; ZOLOTAVIN, V.L.

Oxalic acid complexes of trivalent vanadium. Zhur. neorg.  
khim. 10 no.1:145-149 Ja '65. (MIRA 18:11)

1. Submitted July 24, 1963.

ZOLOTAVIN, V.L.; LEVASHOVA, L.B.

Determination of vanadium in different valent states. Zav.lab.  
28 no.2:161-164 '62. (MIRA 15:3)

1. Ural'skiy politekhnicheskii institut.  
(Vanadium oxide)

LEVASHOVA, L.B.; ZLOTAVIN, V.L.

Trivalent vanadium salicylate. Zhur.naorg.khim. 7 no.4:811-813  
Ap '62. (MIRA 15:4)  
(Vanadium compounds) (Salicylic acid)

LEVASHOVA, L.B.; DORIYENKO, Ye.P.; DECTYAREV, V.F.

Radioactive tracer study of cobalt thiocyanate distribution between  
immiscible solvents. Zhur.ob.khim.25 no.6:1066-1072 Je '55.  
(MLRA 8:12)

1. Ural'skiy politekhnicheskii institut  
(Cobalt thiocyanates)

S/032/62/028/002/005/037  
B101/B110

AUTHORS: Zolotavin, V. L., and Levashova, L. B.

TITLE: Vanadium determination in various valency states

PERIODICAL: Zavodskaya laboratoriya, v. 28, no. 2, 1962, 161 - 164

TEXT: Methods are proposed for determining  $V^{2+}$  and  $V^{3+}$  in mixed vanadium oxides or vanadium glasses. (1) At least 100 mg of the oxide is dissolved in a known volume of an exact 0.1 N solution of  $K_2Cr_2O_7$ . The amount of  $K_2Cr_2O_7$  must be at least double the stoichiometric ratio, acidity at least

4 N  $H_2SO_4$  for oxides containing  $V^{3+} + V^{4+}$ , and at least 6 N  $H_2SO_4$  for  $V^{2+} + V^{3+}$ . In an aliquot part of the solution, containing at least one-fifth of the weighed portion, the excess chromate is titrated with 0.1 N Mohr's salt. The total V content is determined by reducing, in another aliquot part of the solution, the chromate by means of the amount of Mohr's salt found during the first analysis, by oxidizing the vanadium by means of  $KMnO_4$ , and reducing the excess permanganate by sodium nitrite

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Vanadium determination in...

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and urea. The vanadium, now present as  $V^{5+}$ , is titrated with Mohr's salt (phenyl anthranilic acid as indicator, acidity 6 - 9 N  $H_2SO_4$ ). (2A) The weighed portion ( $\geq 100$  mg) is dissolved by heating with four times the excess ammonium ferric alum (2 N  $H_2SO_4$  for  $V^{3+} + V^{4+}$ , 6 N for  $V^{2+} + V^{3+}$ ). An inert atmosphere is produced in the vessel previous to heating by adding bicarbonate. In an aliquot part ( $\geq 1/5$  of the weighed portion),  $Fe^{2+}$  is titrated with  $K_2Cr_2O_7$  or ammonium vanadate. Another aliquot part is oxidized with saturated  $KMnO_4$  solution, the excess permanganate reduced with sodium nitrite and urea, and the total V content is determined by titration with Mohr's salt (acidity 6 - 9 N  $H_2SO_4$ , indicator phenyl anthranilic acid). (2B) The weighed portion ( $\geq 25$  mg) is heated in  $CO_2$  atmosphere with 4-5-fold excess of alum (acidity 6 - 9 N  $H_2SO_4$ ), and  $Fe^{2+}$  is titrated with 0.1 N  $KMnO_4$  (phenyl anthranilic acid as indicator). By dropwise addition of saturated  $KMnO_4$  solution, the vanadium is oxidized to  $V^{5+}$ , the

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Vanadium determination in...

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excess permanganate is reduced after cooling by nitrite and urea, and the total vanadium content is determined with Mohr's salt (indicator phenyl anthranilic acid). The analytical results agreed with the X-ray analyses of  $VO_{1.127}$  -  $VO_{1.86}$ . There are 2 tables and 7 references: 4 Soviet and 3 non-Soviet.

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Some considerations in preparing Narrow-field agricultural maps  
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